

Prof. Ofer Lahav: Curriculum Vitae

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Current position

Perren Chair of Astronomy
Department of Physics & Astronomy, UCL

Other current roles

Chair of the International Science Committee of the Dark Energy Survey
Vice-Dean for Research, Faculty of Mathematical and Physical Sciences, UCL
Vice-President of the Royal Astronomical Society
Holder of a Royal Society Wolfson Research Merit Award
Holder of a Royal Society Leverhulme Senior Research Fellowship
Holder of a European Research Council Advanced Grant

Date and Place of Birth: 5 April 1959; Tiberias, Israel

Citizenship: Israeli and British

Education

University of Cambridge: Astronomy Ph.D., 1988
(Supervisors: Profs. G. Efstathiou and D. Lynden-Bell)
Ben-Gurion University: Physics M.Sc., 1985
(Supervisor: Prof. J. Bekenstein)
Tel-Aviv University: Physics B.Sc., 1980

Positions

2004- Perren Professor of Astronomy, UCL
2011- Vice-Dean for Research, Faculty of Mathematical and Physical Sciences, UCL
2004-2011 Head of Astrophysics, Physics & Astronomy Department, UCL
2000-2003 Reader in Cosmology, Institute of Astronomy, Cambridge University
1998-1999 Associate Professor, the Hebrew University, Jerusalem
1990-2000 Member of staff, Institute of Astronomy, Cambridge University
(Senior Assistant in Research, Assistant Director of Research, Lecturer)
1989 Post-doctoral Fellow, Institute for Advanced Study, Princeton
1988-2003 Research Fellow (1988-91) and then Official Fellow (1992-2003),
St Catharine's College, Cambridge

Visiting positions

Munich LMU (2011), Weizmann Institute of Science (2009), Fermilab/Chicago (2008), Sydney (1997),
Jerusalem (1990, 1995), Kyoto (1991)

Awards and Distinctions

European Research Council Advanced Grant (2012-2017)
Royal Society Leverhulme Senior Research Fellowship (2011-2012)
Wempe Lecture (on the occasion of the Wempe Award to Y. Hoffman), Potsdam (2010)
Erna & Jakob Michael Visiting Professorship, Weizmann Institute of Science (2009)

Royal Society Wolfson Research Merit Award (2008-2013)
Elected Fellow of the Institute of Physics (2008-)
Royal Astronomical Society Group Award to the 2dFGRS team (2008)
Thomson ISI ‘highly cited author’ (2007-)
Rosseland Lecture, Oslo University (2005)
Elizabeth Spreadbury Lecture, UCL (2004)
PPARC Senior Research Fellowship (2003-2006)
Isaac Newton Studentship, Cambridge (1985-1988)
Rothschild Fellowship (1985-1986)
First prize, annual science competition, Weizmann Institute of Science (1977)

Research and Publications

Over 170 research articles in refereed journals, including 8 invited review articles and book chapters.
Thomson ISI ‘highly cited author’, *h*-factor 60.

Recent and current collaborations

- The Dark Energy Survey (DES):
PI of a £1.76M STFC grant for DES optics, Chair of DES:UK (including UCL, Cambridge, Edinburgh, Portsmouth, Sussex and Nottingham Universities) and Chair of the international DES science committee, coordinating over 200 scientists from the US, UK, Spain, Brazil and Germany in 11 working groups
- Hubble Space Telescope CLASH Multi-Cycle Treasury (ongoing)
- Euclid ESA space mission (planned)
- WFMOS/Subaru design study (completed)
- 2dF Galaxy Redshift Survey (completed)
- 6dF Galaxy Survey (completed)

Mentoring

Mentored (as primary supervisor) 17 PhD students and 9 MSc students in Cambridge and in UCL.

Editorial and refereeing

Member of the Editorial Boards of *Monthly Notices of the Royal Astronomical Society* (2006-2008) and *Journal of Cosmology and Astroparticle Physics* (2005-)
Refereeing for MNRAS, ApJ, A&A, JCAP and for STFC and ERC grant proposals.

Organisation (since 2004): national and international

Vice-President of the Royal Astronomical Society (elected 2010)
Member of the Council of the Royal Astronomical Society (elected 2009)
Chair of the International Committee of the Royal Astronomical Society (2010-2011)
Chair of the Awards Committee of the Royal Astronomical Society (2011)
Member of appointment committee for a Chair, Imperial College (2011)
Member of visiting Committee, IFAE, Barcelona (2009-)
Member of the STFC Planck Oversight Committee (2008-)
Chair of the DES Membership Policy Document (2008-9)
Member of appointment committee, Lisbon (2008)
Member of evaluation committee, DFG, Germany (2007)
Member of IAU Commission 47 (Cosmology), Division VIII (2007-)
Chair (previously co-Chair), Science Committee of the Dark Energy Survey (DES) (2006-)
Chair of DES:UK Consortium (2005-)
Co-Chair of the Search Committee for DES Director (2009)
Chair of the DES Membership Policy (2007-8)

Organisation (since 2004): UCL

Head of the Astrophysics Group 2004-2011 (overseeing 20 faculty, 20 post-docs, 35 PhDs, 13 support staff).

Led as the Head of Astrophysics the appointment of 10 new members of staff.

In June 2011 appointed as Vice-Dean for Research, Faculty for Mathematical and Physical Sciences (coordinating research in 7 Departments).

Served as member of half a dozen selection committees for faculty appointments at UCL, including for two Chairs.

Co-founder and member of the steering committee, UCL's Institute of Origins, and co-coordinator of the neutrino physics theme.

Invited Talks at International Conferences (past 10 years, partial list)

Invited talk, *Avishai Dekel's 60th birthday conference, Jerusalem (December 2011)*

Invited talk, *Bulk Flows*, Technion, Haifa (December 2011)

Invited talk, *Dark Matter*, Heidelberg (October 2011)

Invited talk, *Future Perspectives in High-Energy Physics*, ICFA, CERN (October 2011)

Invited talk, *Euclid collaboration meeting*, Bologna (September 2011)

Invited talk, *Dark Matte*, Space Telescope Science Institute (May 2011)

Invited talk, *StatPhys11*, CERN (January 2011)

Invited *Wempe Lecture*, IAP, Potsdam (November 2010)

Invited opening talk and discussion talk, *Co-motion*, Australia (September 2010, by video-con)

Invited talk, *Darkness Visible*, Cambridge (August 2010)

Invited talk, *The Cosmic Enigma* (Weizmann:UK) (June 2010)

Invited talk, *Cosmology conference*, Ioannina (June 2010)

Invited talk, *Galaxy Surveys*, Marseilles (April 2010)

Invited talk, *Tsvi Piran's 60th birthday conference*, Jerusalem (December 2009)

Keynote opening talk, *CosmoStat09*, Ascona (July 2009)

Invited talk, *Dark Energy*, IPMU Tokyo (June 2009)

Chairing a panel discussion at the *National Astronomy Meeting* in Hertfordshire (April 2009)

Invited talk, *Neutrinos*, Minnesota (October 2008)

Invited talk, *SDSS conference*, Chicago (August 2008)

Invited talk, *Neutrino masses*, Aarhus (September 2007)

Invited talk, *Michael Rowan-Robinson 65th birthday*, Imperial College (July 2007)

Invited talk, *Cosmology conference*, Imperial College (March 2007)

Invited talk, *Cosmology conference*, Tokyo University (November 2006)

Plenary talk, *Annual meeting of the Astronomical Society of Brazil* (July 2006)

Invited talk, *Bernard Jones 60th birthday*, Valencia (June 2006)

Summary talk, *Statistical Challenges in Modern Astronomy IV*, Penn State University (June 2006)

Inaugural lecture, UCL (February 2006)

Invited talk, *Nearly normal galaxies in a CDM Universe*, celebrating the 60th birthday of Blumenthal, Faber and Primack, Santa Cruz (August 2005)

Invited talk, *Solvay Conference*, Brussels (May 2005)

Invited talk, *6dF workshop*, Sydney, Australia (April 2005)

Invited plenary talk, *NAM05* Birmingham (April 2005)

Invited lectures, *Surveying the Sky*, Obergurgl, Austria (February 2005)

Invited lectures, *Rome L'Aquila ISAPP School* (July 2004)

Invited talk, *Neutrinos 04*, CdF Paris (June 2004)

Invited talk, *Nearby LSS and the Zone of Avoidance*, Cape Town (March 2004)

Summary talk, *Moriond Cosmology Conference* (March 2002)

In addition, about 4-5 seminars/colloquia per year at Astronomy/Physics Departments and 3-5 Public Outreach talks in the UK and abroad.

Organisation of International Conferenecs (partial list)

Main Organiser, DESpec workshop, London, (March 2011)

SOC member, *Darkness Visible*, Cambridge (August 2010)
Main Organiser of the Cosmic Enigma Weizmann: UK conference, London (June 2010)
The DES international collaboration meeting, UCL (2007)
Colloquium Director of UCL's Cumberland Lodge conference (2005)
London Cosmology Discussion Meetings (LCDM) (since 2004)
SOC member, *Nearby LSS and the ZoA*, Cape Town (March 2004)
Oxford-Cambridge (OxCam) Cosmology meetings (2000-2003)
Royal Astronomical Society Discussion meetings, London (1993, 1995, 2001, 2003, 2005) Cosmology sessions at NAM96 (Liverpool), NAM01 (Cambridge), NAM09 (Hertfordshire)
The 36th Herstmonceux conference, 'Gravitational Dynamics', Cambridge (August 1995)

Societies

Fellow of the Royal Astronomical Society
Fellow of the Institute of Physics (FInstP)
Member of the American Astronomical Society
Member of the International Astronomical Union
Member of the Astronomical Society of India

Principal Investigator of recent major grants

PI, European Research Council Advanced Grant (2.4M Euro)
PI, UCL Astrophysics STFC Consolidated Grant (with 19 CoI's): outcome to be announced
PI, Royal Society Leverhulme Senior Research Fellowship (2011-2012): £46K
PI, STFC 'Cosmology from surveys', UCL (2011-): £468K
PI, Nottingham U. contribution to DES (2009): £300K
PI, Leverhulme grant for an Artist in Residence (Katie Paterson) at UCL (2010): £12.5K
PI, STFC 'Cosmology rolling grant', UCL (2008-2011): £839K
PI, Royal Society Wolfson Research Merit Award (2008-2013): £100K
PI, UCL CIF for a Robotic Telescope at the Mill Hill Observatory (2008): £30K
PI, Royal Society incoming visitor (2008) £3.5K
PI, PPARC/STFC 'Optical Corrector for the Dark Energy Survey', UCL (2006-): £1.763M
PI, PPARC/STFC 'Cosmology with Photometric Redshift Surveys', UCL (2006-2009): £186K
PI, PPARC Senior Research Fellowship (2003-2006): £111K
PI, Leverhulme 'Quantitative Cosmology', Cambridge (2001-2004): £275K

In addition, I was a Co-I on PPARC theory and observational rolling grants, IoA Cambridge (1990-2003) and a Co-I on several other STFC grants, including design studies of Euclid R&D Phase A at UCL (£364K, 2009; £303K, 2010), WFMOS at UCL (£18K, 2008), Astro-Grid and a Leverhulme grant (£112K, 2005-2008).

Public Outreach (recent years, partial list)

- Interviewed by The Economist (article and video online, February 2012)
- Interviewed on The Today Programme BBC Radio 4 (radio and BBC online, October 2011)
- Public lecture to UCL Alumni and AstroClub, Tel Aviv University (December 2011)
- Awarded a grant from the Leverhulme Trust to host Artist in Residence Katie Paterson (2011)
- Speaker at a joint event UCL-French Embassy (June 2011)
- Lecture to the Oxford Physics Society (May 2011)
- RAS lunch-hour public lecture (April 2011)
- After-dinner talk to the Physical Society Dining Club, IoP, London (February 2011)
- Lecture to the IoP South-East branch and the S-E Kent Astronomical Society (February 2011)
- Public Lecture at Ben-Gurion University, Israel (December 2010)
- Lunch-hour lecture open to all at UCL (November 2010)
- Lecture at the Institute of Physics London (October 2010)
- Press release on neutrino mass and reports on BBC online and other websites (June 2010)
- Lecture at the Whitstable Art Festival (summer 2010)

- Public Lecture at Tel-Aviv University, Israel (December 2009)
- Guardian Science Weekly Podcast (November 2009)
- Lecture at Tate Britain (March 2009)
- Press release on the galaxy map from the 2MASS redshift Survey (2008)
- Press release on the DES huge lenses (June 2008)
- Interviewed on The Today Programme BBC Radio 4 (October 2008)
- Hosted a visit at the University of London Observatory
by the actor Simon Russell Beale who played Galileo at the National Theatre (2007)
- Featured in *the Book of Space* of the Observer Magazine (2007)
- Press release on 3D galaxy map of Luminous Red Galaxies and interview on Radio 4 (2006)